

15. A method of coating a portion of a glow plug, comprising:

- (a) disposing a silicon-based component on said portion of said glow plug, wherein said silicon-based component includes a rare earth-doped ceramic;
- (b) heating said silicon-based component to about 1250 C° or greater for about six to about twelve hours so as to form silica; and
- (c) reacting said rare earth-doped ceramic with said silica so as to form a rare earth silicate coating on said silicon-based component.

16. The method of claim 15, wherein:

- (a) includes disposing said silicon-based component on a heating element of said glow plug.

17. The method of claim 15, wherein said silicon-based component includes silicon nitride.

18. The method of claim 15, wherein said silicon-based component includes silicon carbide.

19. The method of claim 15, wherein said silicon-based component includes molybdenum disilicide.

20. The method of claim 15, wherein said rare earth silicate coating includes ytterbium silicate.

21. The method of claim 15, wherein said rare earth silicate coating includes lanthanum silicate.

22. The method of claims 15, wherein said rare earth silicate coating includes yttrium silicate.